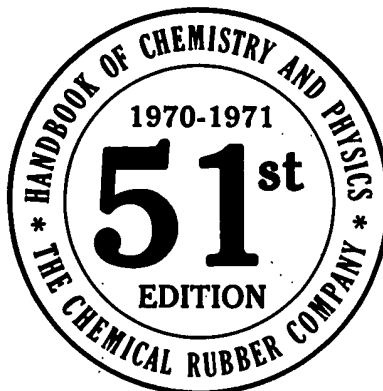




Handbook OF Chemistry and Physics

A Ready-Reference Book of Chemical and Physical Data



EDITOR

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In collaboration with a large number of professional chemists and physicists whose assistance is acknowledged in the list of general collaborators and in connection with the particular tables or sections involved.

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PHYSICAL CONSTANTS OF ORGANIC COMPOUNDS (Continued)

Ref.	No.	Name	Synonyms and Formula	Mol. wt.	Color, crystalline form, specific rotation and λ_{max} (log ϵ)	m.p. °C	b.p. °C	Density	n_D	Solubility						Ref.
										w	al	eth	ace	bz	other solvents	
		Glycerol														
B31, 261	g74	—1,3-diacetate ...	Diacetin. $\text{HOCH}(\text{CH}_2\text{O}_2\text{CCH}_3)_2$	176.17		40	280 155–6 ¹³	1.1779 ¹³	1.4395 ²⁰	v	v	δ			CS_2 , i	B2 ¹ , 160
	g75	—1,2-dibutanoate (d)	α,β -Dibutylin. $\text{C}_3\text{H}_7\text{CO}_2\text{CH}_2\text{CH}(\text{CH}_2\text{OH})\text{O}_2\text{CC}_3\text{H}_7$ (Py, c = 7)	232.28	$[\alpha]_D + 1.7$		273.5 167 ²⁰		1.4422 ²⁰	i	s					B2, 273
B31, 264	g76	—1,3-dido-decanoate	α,γ -Dilaurin. Glycerol-1,3-dilaurate. $\text{HOCH}(\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_8\text{CH}_3)_2$	456.72	pl (al), nd (eth-al) β : 56.5 (st)	α : 49.5 (unst) β : 56.5 (st)					s	s		s	chl, lig s	B2 ¹ , 320
	g77	—1,3-dihexa-decanoate	α,γ -Dipalmitin. Glycerol-1,3-dipalmitate. $\text{HOCH}(\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_{10}\text{CH}_3)_2$	568.93	cr (al or chl)	72–4 (α : 50 β : 63.5)				δ s^a	s^a	s			chl s ^a	B2 ¹ , 968
B4 ² , 910	g78	—1,2-dimethyl ether (dl)	2,3-Dimethoxy-1-propanol*. $\text{CH}_3\text{OCH}_2\text{CH}(\text{OCH}_3)\text{CH}_2\text{OH}$	120.15			180 ⁷⁶⁰ 100 ⁶⁰	1.0162 ¹³	1.4200 ²⁰	∞	s	s				B1 ¹ , 2317
B4 ² , 911	g79	—1,3-dimethyl ether	1,3-Dimethoxy-2-propanol*. $\text{CH}_3\text{OCH}_2\text{CH}(\text{OH})\text{CH}_2\text{OCH}_3$	120.15			169 ⁷⁶⁰ 88 ⁶⁰	1.0085 ²⁰	1.4192 ²⁰	∞	v	s				B1 ¹ , 2318
B4 ² , 902	g80	—1,3-dinitrate...	$\text{O}_2\text{NOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{ONO}_2$	191.10	pr (w), cr (eth + 1w) nd or pl (eth, chl, lig)	26 (hyd)	148 ¹³ 116 ^{6,6}	1.523 ²⁰	1.4715 ²⁰	s	v	s				B1 ² , 591
	Ω g81	—1,3-dioc-ta-decanoate	α,γ -Distearin. Glycerol-1,3-distearate. $\text{HOCH}(\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_{16}\text{CH}_3)_2$	625.04		79.1				δ s^a	δ s^a	s^a			os s ^a	B2 ¹ , 356
B4 ² , 1537	g82	—1,3-diphenyl ether	$\text{C}_6\text{H}_5\text{OCH}_2\text{CH}(\text{OH})\text{CH}_2\text{OC}_6\text{H}_5$	244.29	lf (al)	81–2	224.5 ^{17,3} 175 ²	1.179 ²⁴		i	v ^a	v		v	chl v	B6 ¹ , 152
B4 ² , 911	g83	—2-acetate ...	$\text{CH}_3\text{CO}_2\text{CH}(\text{CH}_2\text{OC}_6\text{H}_5)_2$	286.33	(dil al)	70–1	190 ¹⁶⁰ 170–31 ⁰			i	v	v		v	chl v	B6, 149
	g84	—1,3-dipropionate	α,γ -Dipropionin. $\text{HOCH}(\text{CH}_2\text{O}_2\text{CCH}_2\text{CH}_3)_2$	204.23							s					B2 ¹ , 107
	g85	—1-hexadecyl ether	Chimyl alcohol. 3-Hexadecyloxy-1,3-propanediol. $\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{O}(\text{CH}_2)_{15}\text{CH}_3$	316.53	lf (hx) $[\alpha]_D^{20} + 3$ (chl)	64	120 ^{0.005}					s			chl, peth s	H27, 674
B4 ² , 946	g86	—1(2-methoxy-phenyl) ether	Guaiacol α -glyceryl ether. Guaiamar. $\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{O}(\text{CH}_2)_2\text{CH}_3$	198.22	rh pr (eth, eth-peth) hyg liq	78.5–9	215 ¹⁹ 126–80 ^{2,2}	1.1830 ²⁰	1.442 ²³	v ^a	v			s	chl s peth i os s	B6 ¹ , 382
B4 ¹ , 550	g87	—1-methyl ether...	3-Methoxy-1,2-propanediol*. $\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{OCH}_3$	106.12			220 ⁷⁶⁰ (198–200) 110–21 ³			v	v	s	v			B1 ¹ , 2317
B4 ¹ , 1540	g88	—2-methyl ether...	2-Methoxy-1,3-propanediol*. $\text{HOCH}_2\text{CH}(\text{OCH}_3)\text{CH}_2\text{OH}$	106.12	hyg liq		232 ⁷⁶⁰ 119–20 ⁹	1.124 ²³	1.4505 ¹⁷	v	v	s	v		os v	B1 ¹ , 2317
	Ω g89	—1-mono-acetate (dl)	α -Monoacetin. $\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{O}_2\text{CCH}_3$	134.13			158 ¹⁶⁵ 129–31 ³	1.2060 ²⁰	1.4157 ²⁰	s	s	δ		i		B2 ¹ , 159
	g90	—1-mono-butanoate (dl)	α -Monobutylin. $\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{O}_2\text{CCH}_2\text{CH}_3$	162.19			269–71 163 ¹⁶	1.129 ¹⁸	1.4531 ²⁰	v	s					B2 ¹ , 249
	g91	—1-mono-decanoate (dl)	α -Monolaurin. $\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_8\text{CH}_3$	274.41	lf (CCL ₄ or peth)	α : 44 (unst) β : 59.5 (unst) β : 63 (st)	186 ¹	0.9248 ⁹⁷	1.4350 ⁸⁶	δ s^a	v	v	v	s	chl v	B2 ¹ , 320
	g92	—(l) ...	$\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_{10}\text{CH}_3$	330.51	cr (eth or peth) $[\alpha]_D - 4.9$ (Py)	54–5				δ s^a	v	v	s		chl v	B2 ¹ , 890
B4 ² , 931	g93	—mono-hexa-decanoate (dl)	α -Monopalmitin. $\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_{14}\text{CH}_3$	330.51	pl or lf (eth, lig)	α : 66.5 (unst) β : 74.6 (unst) β : 77 (st)				i	v	δ				B2 ¹ , 338
	g94	—(l) ...	$\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_{16}\text{CH}_3$	330.51	cr (eth or peth) $[\alpha]_D - 4.37$ (Py)	71–2										B2 ¹ , 966
B1 ¹ , 427	g95	—1-mono(2-hydroxybenzoate)	Glycosal. α -Glyceryl salicylate.	212.21	nd (eth)	76				δ v^a	v	δ		v ^a	chl, peth δ	B10 ¹ , 53
B1 ¹ , 888	g96	—1-mono(12-hydroxy-9-octadecenoate)	Glycerol-1-monoricinoleate. α -Monoricinolein. $\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_7\text{CH}=\text{CHCH}_2\text{CH}(\text{OH})(\text{CH}_2)_5\text{CH}_3$	372.55	ye			1.028 ²⁰			s	s	s	s	chl, AcOEt s lig, MeOH, CS_2 δ	B3 ¹ , 138
B1 ¹ , 427	g97	—1-mononitrate...	$\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{ONO}_2$	137.09	pr (w, al or eth)	61	155–60 102 ¹	1.4164 ²⁹	1.4698 ²⁰	v	v	δ				B1 ¹ , 591
B1 ¹ , 889	g98	—2-mononitrate...	$\text{HOCH}_2\text{CH}(\text{ONO}_2)\text{CH}_2\text{OH}$	137.09	lf (w)	54	155–60	1.40 ²⁰		s	s	s			chl v lig.	B1 ¹ , 591
	g99	—1-mono(9,12-octadecadienoate)	Glycerol- α -monolinoleate. α -Monolinolein. $\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_7\text{CH}=\text{CHCH}_2\text{CH}=\text{CH}(\text{CH}_2)_5\text{CH}_3$	354.54	cr (bz)	14–5		1.4758 ²⁰		δ	v			v	chl v lig, MeOH, CS_2 δ lig s peth δ	B2 ¹ , 213
	Ω g100	—1-mono-octa-decanoate (dl)	α -Monostearin. $\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_{16}\text{CH}_3$	358.57	pl (MeOH)	α : 74 (unst) β : 79 (unst) β : 81 (st)		0.9841 ²⁰	1.4400 ⁸⁶	i	δ s^a	δ v^a				B2 ¹ , 354
B1 ¹ , 2297																
B1, 519 B6 ¹ , 99 B6 ¹ , 101	g101	—(l) ...	$\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_{18}\text{CH}_3$	358.57	cr (eth or peth) $[\alpha]_D - 3.58$ (Py)	76–7										B2 ¹ , 1024

For explanations, symbols and abbreviations see beginning of table. For structural formulas see end of table.

PHYSICAL CONSTANTS OF ORGANIC COMPOUNDS (C ntinued)

No.	Name	Synonyms and Formula	Mol. wt.	Color, crystalline form, specific rotation and λ_{max} (log ϵ)	m.p. °C	b.p. °C	Density	n_D	Solubility						Ref.	No.	Name	Syn
									w	al	eth	ace	bz	other solvents				
Glycerol																		
g102	—, 1-mono(9-octadecenoate)	Glycerol 1-monooleate. α -Monoolein. $\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_7\text{CH}=\text{CH}(\text{CH}_2)_7\text{CH}_3$	356.55	pl (al)	α : 25 (unst) β : 32 (unst) β : 35.5 (st)	238–40 ³	0.9420 ²⁰	1.4626 ⁴⁰	i	s	s			chl s	B2 ² , 439	g121	Glycerophosphoric acid (L)	HOCH ₂ CH(OH)CH ₂ O ₃ P(OH) ₂
—	—, 1-monooleate	see Glycerol, 1-mono(9-octadecenoate)														g122	Glycidol(d)	see Propoxy 2,3-Ep Glycid prop: C ₃ H ₆ O
—	—, 1-monoricinoleate	see Glycerol, 1-mono(12-hydroxy-9-octadecenoate)														g123	—(l).....	
Q g103	—, 1-octadecyl ether (d)	Batyl alcohol. 3-Octadecyloxy-1,2-propanediol*. $\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{O}(\text{CH}_2)_{17}\text{CH}_3$	344.59	pl (bz, ace) $[\alpha]_D^{20} + 1.14$ (chl, c = 6.6)	70–1	215–20 ²			i	s ^a	s	s ^a	s ^a		B1 ² , 590	Q g124	Glycine	Amino H ₂ N
g104	—, 1-phenyl ether	Antodyne. $\text{HOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{OC}_6\text{H}_5$	168.20	nd (eth, peth or bz-lig)	67–8 (62–4) 70–1d (cor)	200 ²² 145–89 ⁶	1.225 ²⁰		v	v	s ^a		v	peth δ con sulf s	B6 ² , 152	g125	—, amide	Glycin H ₂ N
g105	—, 1(2-tolyl) ether		182.22	nd (bz-peth)					δ	s	δ				B6, 354	g125 ¹	—, N-(4-ethoxyphenyl)-	Glycin Phen
g106	—, triacetate	Triacetin. $\text{CH}_3\text{CO}_2\text{CH}(\text{CH}_2\text{O}_2\text{CCH}_3)_2$	218.21	cr (al)	4.1	258–60 ⁷⁶⁰ 130.5 ⁷	1.1596 ²⁰	1.4301 ²⁰	δ	∞	∞	v	∞	chl ∞ lig, CS_2 δ chl v	B2 ² , 160	g126	—, hydrochloride	H ₂ NC
g107	—, tribenzoate	Tribenzoin. $\text{C}_6\text{H}_5\text{CO}_2\text{CH}(\text{CH}_2\text{O}_2\text{CC}_6\text{H}_5)_2$	404.43	nd (MeOH)	76		1.228 ¹²		i	s ^a	v	v	v		B9 ² , 122			
Q g108	—, tributanoate	Tributyrin. $\text{CH}_3\text{CH}_2\text{CH}_2\text{CO}_2\text{CH}(\text{CH}_2\text{O}_2\text{CCH}_2\text{CH}_2\text{CH}_3)_2$	302.37		–75	305–10 (287–8) 190 ¹³	1.0350 ²⁰	1.4359 ²⁰	i	s	v	s	s		B2 ² , 249	g127	—, anhydride	see 2,5 Ethyl
g109	—, tridodecanoate	Glycerol trilaurate. Trilaurin. $\text{CH}_3(\text{CH}_2)_{10}\text{CO}_2\text{CH}(\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_{10}\text{CH}_3)_2$	639.03	nd (al)	α : 35.6 (unst) β : 32.9 (unst) β : 46.4 (st)		0.8986 ¹³	1.4404 ⁴⁰	i	s	s	v	v	chl, peth s	B2 ² , 320	Q g128	—, hydrochloride	H ₂ NC
—	—, trielaidate	see Glycerol, tri(trans-9-octadecenoate)														g129	—, hydrochloride	H ₂ NC
Q g110	—, trihexadecanoate	Glycerol tripalmitate. Tripalmitin. $\text{CH}_3(\text{CH}_2)_{14}\text{CO}_2\text{CH}(\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_{14}\text{CH}_3)_2$	807.35	nd (eth)	α : 44.7 (unst) β : 56.6 (unst) β : 66.4 (st)	310–20	0.8752 ²⁰	1.4381 ⁴⁰	i	δ	v		s ^a	chl s	B2 ² , 340	g130	—, methyl ester	Methy H ₂ N
g111	—, trihexanoate	Glycerol tricaproate. Tricaproin. $\text{CH}_3(\text{CH}_2)_4\text{CO}_2\text{CH}(\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_4\text{CH}_3)_2$	386.54		–60	> 200	0.9867 ²⁰	1.4427 ²⁰	i	∞	∞	v	∞	peth, chl ∞	B2 ² , 285	g131	—, nitrile	Amino H ₂ N
g112	—, tri(3-methylbutanoate)	Glycerol isovalerate. Triisovalerin. $(\text{CH}_3)_2\text{CHCH}_2\text{CO}_2\text{CH}(\text{CH}_2\text{O}_2\text{CCH}_2\text{CH}(\text{CH}_3)_2)_2$	344.45			330–5 ⁷⁶³ 194 ¹³	0.9984 ²⁰	1.4354 ²⁰		s	s				B2 ² , 277	Q g132	—, N(p-acetamidophenyl)-	Aceta Acet CH ₃
g113	—, trimethyl ether	1,2,3-Trimethoxypropane*. $\text{CH}_3\text{OCH}_2\text{CH}(\text{OCH}_3)\text{CH}_2\text{OCH}_3$	134.18			148	0.9460 ¹³	1.4055 ¹³	∞		s	v	s	sulf v	B1 ³ , 2318	g133	—, N-acetyl-	Aceta Acet CH ₃
g114	—, trinitrate	Nitroglycerin. Trinitrin. $\text{O}_2\text{NOCH}_2\text{CH}(\text{ONO}_2)\text{CH}_2\text{ONO}_2$	227.09	pa ye tcl or rh	13 (st) 2 (unst)	256 exp 125 ²	1.5931 ²⁰	1.4786 ¹²	δ	s	∞	v	s	MeOH s CS_2 , lig, peth δ chl v	B1 ³ , 2328	g134	—, N-acetyl-N-phenyl-	N-Phe CH ₃ C ₆ H ₅
g115	—, trioctadecanoate	Glycerol tristearate. Tristearin. $\text{CH}_3(\text{CH}_2)_{16}\text{CO}_2\text{CH}(\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_{16}\text{CH}_3)_2$	891.51	cr (eth, peth)	α : 55 β : 64.5 β : 73		0.8559 ²⁰	1.4399 ⁴⁰	i	i		s	δ s ^a	CCl_4 , δ , s ^a chl, CS_2 s AcOEt i lig, peth i, s ^a	B2 ² , 1035	g135	—, N(4-amino-phenyl)-, monohydrate	
g116	—, tri(cis-9-octadecenoate)	Glycerol trioleate. Triolein. $\text{CH}_3(\text{CH}_2)_7\text{CH}=\text{CH}(\text{CH}_2)_7\text{CO}_2\text{CH}(\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_7\text{CH}=\text{CH}(\text{CH}_2)_7\text{CH}_3)_2$	885.47	polymorphic	α : –32 (unst) β : –12 (unst) β : –5.5 (st)	235–40 ¹⁰	0.8988 ⁴⁰	1.4621 ⁴⁰	i	δ	v			chl, peth s	B2 ² , 440	g136	—, N(2-arsonophenyl)-, amide	
Q g117	—, tri(trans-9-octadecenoate)	Glycerol trielaidate. Trielaidin. $\text{CH}_3(\text{CH}_2)_7\text{CH}=\text{CH}(\text{CH}_2)_7\text{CO}_2\text{CH}(\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_7\text{CH}=\text{CH}(\text{CH}_2)_7\text{CH}_3)_2$	885.47		α : 16.6 β : 42.8				i	δ	v		s	chl s	B2, 470	g137	—, N-benzoyl-	see H
g118	—, trioctanoate	Glycerol tricaprylate. Tricaprylin. $\text{CH}_3(\text{CH}_2)_6\text{CO}_2\text{CH}(\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_6\text{CH}_3)_2$	470.70		9.8–10.1 (st) –21 (metast)	233.1	0.9540 ²⁰	1.4482 ²⁰	i	∞	v		v	peth, lig, chl v	B2 ² , 303	Q g143	—, ethyl ester	C ₁₁ H
g119	—, tripropanoate	Tripropionin. Tripropin. $\text{CH}_3\text{CH}_2\text{CO}_2\text{CH}(\text{CH}_2\text{O}_2\text{CCH}_2\text{CH}_3)_2$	260.29			175–6 ²⁰ 130–2 ³	1.100 ¹⁰	1.4318 ¹⁰	i	s	v			chl s	B2 ² , 222	Q g144	—, N-bis(2-hydroxyethyl)-	(HO) C ₂ H ₄
Q g120	—, tritetradecanoate	Glycerol trimyristate. Trimyrustin. $\text{CH}_3(\text{CH}_2)_{12}\text{CO}_2\text{CH}(\text{CH}_2\text{O}_2\text{C}(\text{CH}_2)_{12}\text{CH}_3)_2$	723.19	polymorphic (al-eth)	α : 32 (unst) β : 44 (unst) β : 56.5 (st)	311	0.8848 ⁴⁰	1.4428 ⁴⁰	i	δ	s	s	s	chl s lig, CS_2 δ	B2 ² , 328	g145	—, N-bromoacetyl-N-phenyl-	BrCF
—	—, 1,2-dithio-	see 1-Propanol, 2,3-dimercapto-														Q g148	—, N(2-carboxyphenyl)-	N-Ca acid acid ClCF
																g149	—, N-chloroacetyl-N-phenyl-	ClCF
																g150	—, methyl ester	ClCF
																g151	—, choly-	see G (C ₂ H
																g153	—, N,N-dicarboxy-, ethyl ester	Dieth (C ₂ H
																g154	—, nitrile	Dimeth (CH
																g155	—, nitrile	Dimeth (CH
																g156	—, N-ethyl-	Ethy C ₂ H
																g157	—, nitrile	Ethy C ₂ H
																g158	—, N-formyl-N-phenyl-	C ₆ H ₅

For explanations, symbols and abbreviations see beginning of table. For structural formulas see end of table.

For explanations, symbols and ab

PHYSICAL CONSTANTS OF ORGANIC COMPOUNDS (Continued)

No.	Name	Synonyms and Formula	Mol. wt.	Color, crystalline form, specific rotation and λ_{max} (log ϵ)	m.p. °C.	b.p. °C.	Density	n_D	Solubility						Ref.
									w	al	eth	ace	bz	other solvents	
121	Laudanosine (d)	N-Methyltetrahydropapaverine, $C_{21}H_{27}NO_4$	357.46	nd (peth), pr (al) $[\alpha]_D^{25} + 106$ (al, c = 1.6) $\lambda_{max}^{OH} 231$ (4.20), 282 (3.78)	89				i	s	s	s	s ^a	chl s	B21 ² , 184
122	—(dl)	$C_{21}H_{27}NO_4$. See 121	357.46	nd (al)	115–6				i	v ^a	s	s	s	chl v peth δ^a	B21 ² , 185
123	—(l)	$C_{21}H_{27}NO_4$. See 121	357.46	cr (al) $[\alpha]_D^{25} - 105.4$ (al, c = 3)	89										B21 ² , 185
124	Laureline	see Dodecanoic acid, amide* $C_{19}H_{37}NO_2$	309.35	ta (al) cubes (peth) $[\alpha]_D^{25} - 99$ (abs al, c = 0.7) $\lambda_{350} (1.8)$, 394 (1.65)	114 (97)				i	s	s			dil ac s con sulf s \rightarrow red	B27 ¹ , 461
	Lauric acid	see Dodecanoic acid*													
	Laurone	see 12-Tricosanone*													
	Laurophenone	see 1-Dodecanone, 1-phenyl-													
	Lawsone	see 1,4-Naphthoquinone, 2-hydroxy-*													
	Lawsone anilide	see 1,4-Naphthoquinone, 2(phenylamino)-*													
125	Lecithin	α (Dimyristoyl)lecithin	677.92	$[\alpha]_D^{25} + 7.0$	236–7				i		s	i	δ	chl s peth s oos s	Am 74, 158 E13, 5
126	Ledol		222.38	nd (al) $[\alpha]_D^{25} + 28$ (chl, c = 10) $[\alpha]_D^{25} + 7.98$ (al)	105–6.5 δ_{sub}	292 ⁷⁶⁰ (282–3) with sub	0.9094 ¹⁰⁰	1.4667 ¹¹⁰	δ^a	v	s	s			
	Lepidine	see Quinoline, 4-methyl-													
	p-Leucaniline	see Methane, bis(4-dimethylaminophenyl)- (4-amino phenyl)-*													
	Leucaurine	see Methane, tris(4-hydroxyphenyl)-*													
	Leucenol	see Mimosine													
127	Leucic acid (D)	4-Hydroxy-4-methylvaleric acid. Leucinic acid. $(CH_3)_2CHCH_2CHOHCO_2H$	132.16	nd (bz), pr (eth-peth) $[\alpha]_D^{25} + 10.7$ (w, c = 5) $[\alpha]_D^{25} + 26.1$ (1N NaOH, c = 2)	80–1										B3 ² , 233
128	—(DL)	$(CH_3)_2CHCH_2CHOHCO_2H$	132.16	pl (eth-peth) $[\alpha]_D^{25} - 11.3$ (w, c = 1)	77				v	v	v				B3 ² , 234
129	—(L)	$(CH_3)_2CHCH_2CHOHCO_2H$	132.16	rh (eth) $[\alpha]_D^{25} - 11.3$ (w, c = 1)	81–2	<100			v	v	v				B3 ² , 233
130	Leucinamide (dl)	α -Aminoisocaproamide. $(CH_3)_2CHCH_2CH(NH_2)CONH_2$	130.19	pr (bz)	106–7				s	v		v	δ		B4, 448
131	Leucine (D)	D- α -Aminoisocaproic acid. $(CH_3)_2CHCH_2CH(NH_2)CO_2H$	131.18	pl (al) $[\alpha]_D^{25} + 10.34$	293 sealed tube	sub			δ						B4, 446
132	—(DL)	$(CH_3)_2CHCH_2CH(NH_2)CO_2H$	131.18	lf (w) $\lambda_{max}^{OH} = 207$ (1.82)	sub	1.2931 ^a			s	δ	i				B4 ² , 870
133	—(L)	$(CH_3)_2CHCH_2CH(NH_2)CO_2H$	131.18	hex pl (dil al) $[\alpha]_D^{25} - 10.42$ (w, p = 22) $[\alpha]_D^{25} + 17.3$ (20% HCl)	293–5 sealed tube (332d)	sub	1.2931 ^a		δ	i	i				B4 ² , 859
	—amide	see Leucinamide													
134	—N-acetyl-(dl)	$(CH_3)_2CHCH_2CH(NHCOCH_3)CO_2H$	173.21	nd (dil al) $\lambda_{max}^{OH} = 215$ (2.8)	161				v	δ					B4, 451
135	—N-benzoyl-(dl)	$(CH_3)_2CHCH_2CH(NHCOCH_2CH_5)CO_2H$	235.29	nd (dil al)	137–41				s	s	s		δ	chl s lig t	B9, 253
136	—N-glycyl-(dl)	$(CH_3)_2CHCH_2CH(NHCOCH_2NH_2)CO_2H$	188.23	tetr (dil al)	242d	1.181			v	i					B4, 453
137	—(l)	$(CH_3)_2CHCH_2CH(NHCOCH_2NH_2)CO_2H$	188.23	pl (dil al) $[\alpha]_D^{25} - 35.2$ (w)	256d				v	i					Am 74, 3818
	Lenco indigo	see Indigo white													

Explanations, symbols and abbreviations see beginning of table. For structural formulas see end of table.